

# Georgetown County Recycling Program Updates



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# Outline

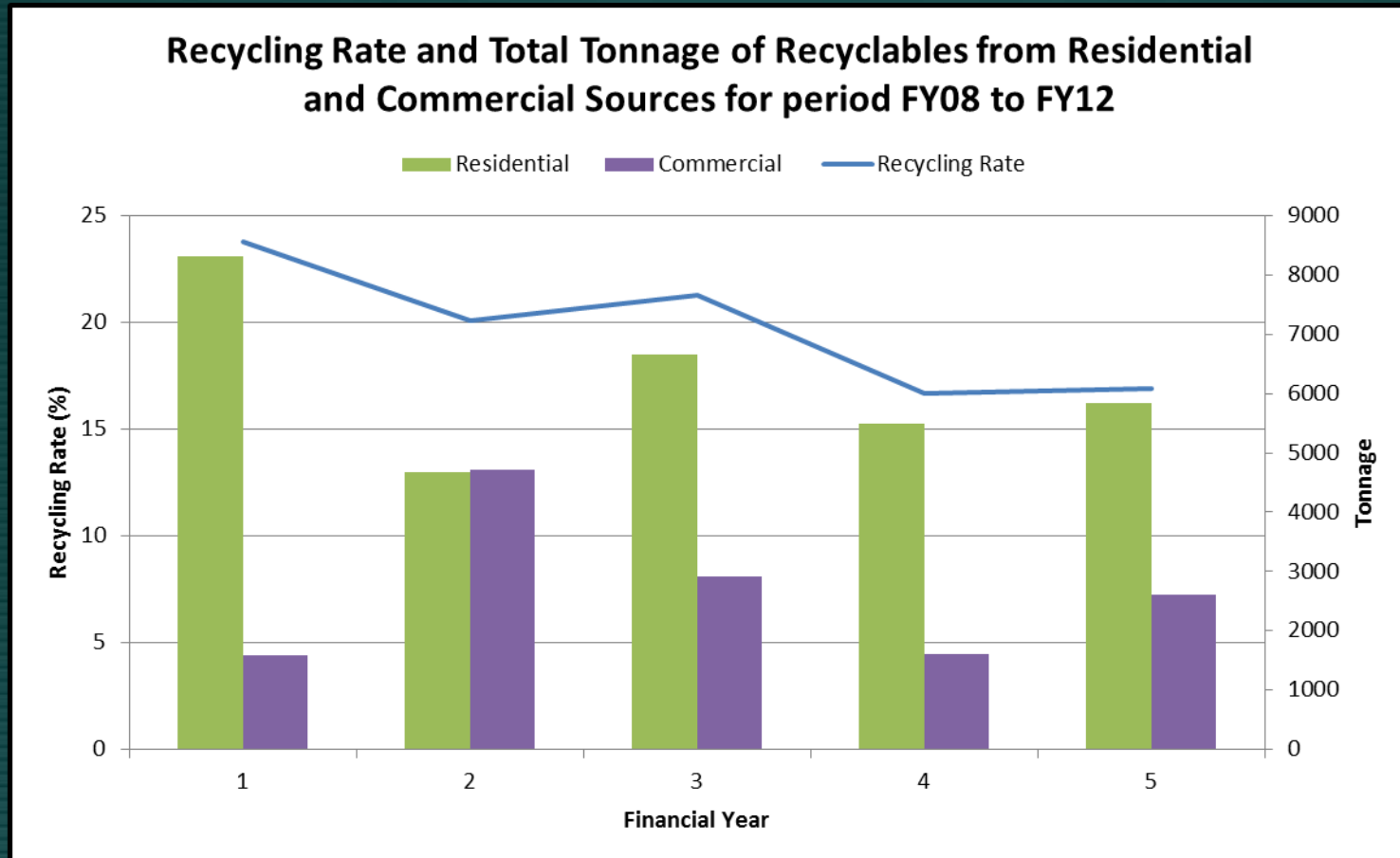
- Recycling Program Goals
- Georgetown County Recycling Statistics
- Household Hazardous Waste Facility
- Paint Recycling Program
- Commercial Paper Program
- Huntington State Park Recycling Program
- Carpet Recycling Pilot Program
- Public Education

# Goals

- Waste Diversion - Conserve landfill airspace
- Increase Recycling Rate to 40% by FY16 through new and improved programs and services.
- Develop innovative, efficient and cash positive programs.



# Recycling Statistics



- Residential tonnage generally higher than commercial tonnage
- Steady reduction in recycling rates over past 5 fiscal years

# Household Hazardous Waste (HHW) Facility

## Overview

- Constructed permanent facility in 2005.
- Serves Georgetown County residents.
- Collection of Household Hazardous Waste (e.g. herbicides, pesticides, cleaners, etc.)

## Performance

- Saved ~\$30,000 contractor cost since implementing improvements.



# HHW Facility Improvements

- Evaluated HHW Program – develop a baseline.
- New operations plans and practices were adopted for HHW Facility to improve the following:
  - Safety /Training –
    - Contacted OSHA for inspection and air quality test.
    - Developed Health/ Safety Procedures
    - Dedicated staff member were trained
  - Collections/ Storage/ Recycling
    - Streamlined intake process (temp storage, etc.)
    - Labeling/ Inventory/ Characterization
    - Events ~4 tons in 3hrs.

## Household Hazardous Waste Collection Day exceeds expectations

Posted: Friday, September 27, 2013 12:01 a.m.

UPDATED: Saturday, September 28, 2013 10:30 p.m.



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JACKIE BROACH

From left, Georgetown County employees Fred Davis, Michael Morris, Sasha Mcraven and Van Brave, load items dropped off at the Household Hazardous Waste Collection onto a truck. Morris works for Midway Fire Rescue, while the others in the photo work in the county's Public Services Department.



Georgetown County's Public Services Department collected more than three tons of hazardous household materials in the span of about three hours last weekend.

The department, with help from Palmetto Ace Home Center and Midway Fire Rescue, had its annual Household Hazardous Waste Collection day on Saturday, Sept. 21, outside Palmetto Ace in Pawleys Island.

The event was scheduled to start at 9 a.m., but by 8:15 that

Source: Georgetown Times

# HHW Facility Improvements

- Disposal
  - Solidification of rejected latex paint and miscellaneous items such as joint compound.
  - Latex paint used as a Posi-Shell rainshield additive.
  - Oil based paint re-used as a rust inhibitor for roll-off containers.
- Eliminated following items from HHW program.
  - Paints
  - Mineral Spirits Paint Thinner
  - Other items (Joint Compound, etc)
  - Aerosol Can

# Paint Recycling Program

- Project commenced late FY13
- Over past 6 months 375 gallons of paint recycled and sold
- Generated ~\$450 in revenue.
- Saved ~30,000 in disposal cost in the past two fiscal years.
- Project have received considerable support from construction community





# Paint Recycling Process

1. Collection
  - Unused paint received from public
2. Evaluation
  - Paints assessed for recycling suitability
3. Consolidation
  - Water based paints of similar shade are combined in 55-gallon drum
4. Processing
  - Mixture stirred for 3 hours
5. Packaging
  - Recycled paint placed and sold in 5-gallon buckets. Buckets labeled with color sample, date and time and batch number.



# Commercial Paper Program

## Overview

- No Fee No Pay Program
- Initiated in 2000
- Serves 130 local businesses
- Collection of recycle paper, cardboard and other fibers.

## Performance

- Current participation levels represents only 8% commercial market penetration.
- Program accounted for 19% of recyclables processed by county MRF during FY13.



# Commercial Paper Program Improvements

- Marketing Campaign
  - Traditional Marketing (e.g. flyer, brochure, presentations, exhibition, article television and radio)
  - Non Traditional Marketing (e.g. Facebook, Twitter)
  - Target Groups/Locations
    - Local Business Associations
    - Boards of Governance
    - County Events
    - Local Business (government offices, retailers, strip malls etc.)
  - Utilize Geographic Information System (GIS) to measure campaign success.
- Customer Service and Retention
  - Regularly Administer Survey
  - Regular follow-up with clientele
  - Develop standards for customer service
- Collection Practices
  - Route optimization
  - Develop efficiency standards.



# Huntington State Park Recycling Program

## Overview

- Huntington State Park Recycling Program began late FY13.
- Integrated park into existing commercial paper program and provide 96 gallon roll-carts.
- Provide park with a 3-door Roll-off Recycling Container for centralized collections of recyclables.

## Performance

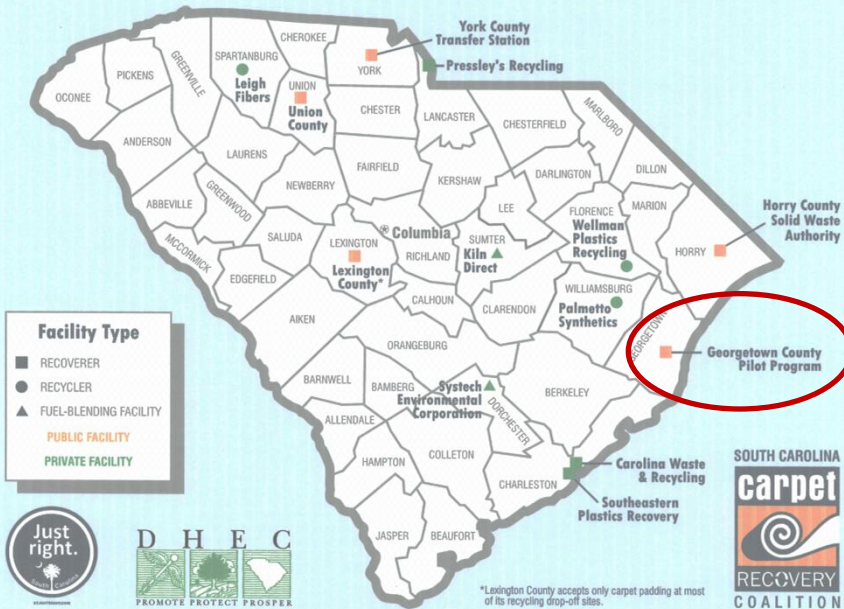
- No data
- Signs and containers are needed.





# Carpet Recycling

## CARPET RECOVERY FACILITIES IN SOUTH CAROLINA



- Determining the size of the carpet and padding waste stream
- Surveys (local suppliers, landfill personnel and scale master)
- On-site drop off facility layout
- Cost-benefit Analysis
- Public Education

# Public Education

- New/renewed partnerships to promote recycling and waste management education
  - Georgetown County School District
  - Keep Georgetown Beautiful
  - Waccamaw Wildlife Refuge
  - SCDHEC (Action in the Classroom)
- America Recycles Day (November 15) for Georgetown Schools

# Tomorrow

- Advance current programs.
- Fully Implement Carpet Recycling Program.
- Expand Commercial Paper Program.
- Mattress Recycling – Plans to perform R&D.
- Expand C&D Recycling Program

# Thank You for Listening!

## Questions?



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